

## STIC Biotechnology Systems Branch

### RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/529,792  
Source: Pg 110  
Date Processed by STIC: 4/6/05

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.2.2 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail. Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom. Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 01/14/05):  
U.S. Patent and Trademark Office, Mail Stop Sequence, Customer Window, Randolph Building, 401 Dulany Street, Alexandria, VA 22314

Revised 01/24/05

# Raw Sequence Listing Error Summary

## ERROR DETECTED

## SUGGESTED CORRECTION

SERIAL NUMBER:

10/529,792

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

- 1        Wrapped Nucleics  
    Wrapped Aminos      The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."
- 2        Invalid Line Length      The rules require that a line not exceed 72 characters in length. This includes white spaces.
- 3        Misaligned Amino  
    Numbering      The numbering under each 5<sup>th</sup> amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.
- 4        Non-ASCII      The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.
- 5        Variable Length      Sequence(s)        contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.
- 6        PatentIn 2.0  
    "bug"      A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s)       . Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.
- 7        Skipped Sequences  
    (OLD RULES)      Sequence(s)        missing. If intentional, please insert the following lines for each skipped sequence:  
                            (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)  
                            (i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)  
                            (xi) SEQUENCE DESCRIPTION: SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)  
                            This sequence is intentionally skipped  
  
                            Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.
- 8        Skipped Sequences  
    (NEW RULES)      Sequence(s)        missing. If intentional, please insert the following lines for each skipped sequence.  
                            <210> sequence id number  
                            <400> sequence id number  
                            000
- 9        Use of n's or Xaa's  
    (NEW RULES)      Use of n's and/or Xaa's have been detected in the Sequence Listing.  
                            Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present.  
                            In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.
- 10        Invalid <213>  
    Response      Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence
- 11        Use of <220>      Sequence(s)        missing the <220> "Feature" and associated numeric identifiers and responses.  
                            Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section.  
                            (Sec "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)
- 12        PatentIn 2.0  
    "bug"      Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.
- 13        Misuse of n/Xaa      "n" can only represent a single nucleotide; "Xaa" can only represent a single amino acid



PCT

## RAW SEQUENCE LISTING

DATE: 04/06/2005

PATENT APPLICATION: US/10/529,792

TIME: 15:43:18

Input Set : A:\PTO.SR.txt

Output Set: N:\CRF4\04062005\J529792.raw

3 <110> APPLICANT: G2M Cancer Drugs AG  
 5 <120> TITLE OF INVENTION: Antibody tools for the diagnostic use in the medical therapy  
 with  
 6 inhibitors of histone deacetylases  
 8 <130> FILE REFERENCE: G2M-ab  
 C--> 10 <140> CURRENT APPLICATION NUMBER: US/10/529,792  
 C--> 10 <141> CURRENT FILING DATE: 2005-03-30  
 10 <150> PRIOR APPLICATION NUMBER: EP 02021984  
 11 <151> PRIOR FILING DATE: 2002-09-30  
 13 <160> NUMBER OF SEQ ID NOS: 11  
 15 <170> SOFTWARE: PatentIn version 3.1  
 17 <210> SEQ ID NO: 1  
 18 <211> LENGTH: 17  
 19 <212> TYPE: PRT  
 20 <213> ORGANISM: Artificial Sequence  
 22 <220> FEATURE:  
 23 <223> OTHER INFORMATION: peptide  
 25 <220> FEATURE:  
 26 <221> NAME/KEY: MOD\_RES  
 27 <222> LOCATION: (5)..(5)  
 28 <223> OTHER INFORMATION: ACETYLATION  
 31 <220> FEATURE:  
 32 <221> NAME/KEY: MOD\_RES  
 33 <222> LOCATION: (8)..(8)  
 34 <223> OTHER INFORMATION: ACETYLATION  
 37 <220> FEATURE:  
 38 <221> NAME/KEY: MOD\_RES  
 39 <222> LOCATION: (12)..(12)  
 40 <223> OTHER INFORMATION: ACETYLATION  
 43 <220> FEATURE:  
 44 <221> NAME/KEY: MOD\_RES  
 45 <222> LOCATION: (16)..(16)  
 46 <223> OTHER INFORMATION: ACETYLATION  
 49 <400> SEQUENCE: 1  
 51 Ser Gly Arg Gly Lys Gly Gly Lys Gly Leu Gly Lys Gly Gly Ala Lys  
 52 1 5 10 15  
 55 Arg  
 59 <210> SEQ ID NO: 2  
 60 <211> LENGTH: 17  
 61 <212> TYPE: PRT  
 62 <213> ORGANISM: Artificial Sequence  
 64 <220> FEATURE:  
 65 <223> OTHER INFORMATION: peptide  
 67 <400> SEQUENCE: 2

ppp 1-4  
 Does Not Comply  
 Corrected Diskette Needed  
 insufficient explanation - give source of  
 genetic material  
 (see item 11 on  
 Error Summary  
 sheet)

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/529,792

DATE: 04/06/2005

TIME: 15:43:18

Input Set : A:\PTO.SR.txt

Output Set: N:\CRF4\04062005\J529792.raw

69 Ser Gly Arg Gly Lys Gly Gly Lys Gly Leu Gly Lys Gly Gly Ala Lys  
70 1 5 10 15

73 Arg

77 &lt;210&gt; SEQ ID NO: 3

78 &lt;211&gt; LENGTH: 17

79 &lt;212&gt; TYPE: PRT

80 &lt;213&gt; ORGANISM: Artificial Sequence

82 &lt;220&gt; FEATURE:

83 &lt;223&gt; OTHER INFORMATION: peptide

85 &lt;220&gt; FEATURE:

86 &lt;221&gt; NAME/KEY: MOD\_RES

87 &lt;222&gt; LOCATION: (5)..(5)

88 &lt;223&gt; OTHER INFORMATION: ACETYLATION

91 &lt;400&gt; SEQUENCE: 3

93 Ser Gly Arg Gly Lys Gly Gly Lys Gly Leu Gly Lys Gly Gly Ala Lys  
94 1 5 10 15

97 Arg

101 &lt;210&gt; SEQ ID NO: 4

102 &lt;211&gt; LENGTH: 17

103 &lt;212&gt; TYPE: PRT

104 &lt;213&gt; ORGANISM: Artificial Sequence

106 &lt;220&gt; FEATURE:

107 &lt;223&gt; OTHER INFORMATION: peptide

109 &lt;220&gt; FEATURE:

110 &lt;221&gt; NAME/KEY: MOD\_RES

111 &lt;222&gt; LOCATION: (8)..(8)

112 &lt;223&gt; OTHER INFORMATION: ACETYLATION

115 &lt;400&gt; SEQUENCE: 4

117 Ser Gly Arg Gly Lys Gly Gly Lys Gly Leu Gly Lys Gly Gly Ala Lys  
118 1 5 10 15

121 Arg

125 &lt;210&gt; SEQ ID NO: 5

126 &lt;211&gt; LENGTH: 17

127 &lt;212&gt; TYPE: PRT

128 &lt;213&gt; ORGANISM: Artificial Sequence

130 &lt;220&gt; FEATURE:

131 &lt;223&gt; OTHER INFORMATION: peptide

133 &lt;220&gt; FEATURE:

134 &lt;221&gt; NAME/KEY: MOD\_RES

135 &lt;222&gt; LOCATION: (12)..(12)

136 &lt;223&gt; OTHER INFORMATION: ACETYLATION

139 &lt;400&gt; SEQUENCE: 5

141 Ser Gly Arg Gly Lys Gly Gly Lys Gly Leu Gly Lys Gly Gly Ala Lys  
142 1 5 10 15

145 Arg

149 &lt;210&gt; SEQ ID NO: 6

150 &lt;211&gt; LENGTH: 17

151 &lt;212&gt; TYPE: PRT

152 &lt;213&gt; ORGANISM: Artificial Sequence

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/529,792

DATE: 04/06/2005

TIME: 15:43:18

Input Set : A:\PTO.SR.txt

Output Set: N:\CRF4\04062005\J529792.raw

154 <220> FEATURE:  
155 <223> OTHER INFORMATION: peptide  
157 <220> FEATURE:  
158 <221> NAME/KEY: MOD\_RES  
159 <222> LOCATION: (16)..(16)  
160 <223> OTHER INFORMATION: ACETYLATION  
163 <400> SEQUENCE: 6  
165 Ser Gly Arg Gly Lys Gly Gly Lys Gly Leu Gly Lys Gly Gly Ala Lys  
166 1 5 10 15  
169 Arg  
173 <210> SEQ ID NO: 7  
174 <211> LENGTH: 17  
175 <212> TYPE: PRT  
176 <213> ORGANISM: Artificial Sequence  
178 <220> FEATURE:  
179 <223> OTHER INFORMATION: peptide  
181 <220> FEATURE:  
182 <221> NAME/KEY: MOD\_RES  
183 <222> LOCATION: (5)..(5)  
184 <223> OTHER INFORMATION: ACETYLATION  
187 <220> FEATURE:  
188 <221> NAME/KEY: MOD\_RES  
189 <222> LOCATION: (12)..(12)  
190 <223> OTHER INFORMATION: ACETYLATION  
193 <400> SEQUENCE: 7  
195 Ser Gly Arg Gly Lys Gly Gly Lys Gly Leu Gly Lys Gly Gly Ala Lys  
196 1 5 10 15  
199 Arg  
203 <210> SEQ ID NO: 8  
204 <211> LENGTH: 17  
205 <212> TYPE: PRT  
206 <213> ORGANISM: Artificial Sequence  
208 <220> FEATURE:  
209 <223> OTHER INFORMATION: peptide  
211 <220> FEATURE:  
212 <221> NAME/KEY: MOD\_RES  
213 <222> LOCATION: (8)..(8)  
214 <223> OTHER INFORMATION: ACETYLATION  
217 <220> FEATURE:  
218 <221> NAME/KEY: MOD\_RES  
219 <222> LOCATION: (16)..(16)  
220 <223> OTHER INFORMATION: ACETYLATION  
223 <400> SEQUENCE: 8  
225 Ser Gly Arg Gly Lys Gly Gly Lys Gly Leu Gly Lys Gly Gly Ala Lys  
226 1 5 10 15  
229 Arg  
233 <210> SEQ ID NO: 9  
234 <211> LENGTH: 17  
235 <212> TYPE: PRT

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/529,792

DATE: 04/06/2005

TIME: 15:43:18

Input Set : A:\PTO.SR.txt

Output Set: N:\CRF4\04062005\J529792.raw

236 <213> ORGANISM: Artificial Sequence  
 238 <220> FEATURE:  
 239 <223> OTHER INFORMATION: peptide  
 241 <220> FEATURE:  
 242 <221> NAME/KEY: MOD\_RES  
 243 <222> LOCATION: (8)..(8)  
 244 <223> OTHER INFORMATION: ACETYLATION  
 247 <220> FEATURE:  
 248 <221> NAME/KEY: MOD\_RES  
 249 <222> LOCATION: (12)..(12)  
 250 <223> OTHER INFORMATION: ACETYLATION  
 253 <220> FEATURE:  
 254 <221> NAME/KEY: MOD\_RES  
 255 <222> LOCATION: (16)..(16)  
 256 <223> OTHER INFORMATION: ACETYLATION  
 259 <400> SEQUENCE: 9  
 261 Ser Gly Arg Gly Lys Gly Gly Lys Gly Leu Gly Lys Gly Gly Ala Lys  
 262 1 5 10 15  
 265 Arg  
 269 <210> SEQ ID NO: 10  
 270 <211> LENGTH: 12  
 271 <212> TYPE: PRT  
 272 <213> ORGANISM: Artificial Sequence  
 274 <220> FEATURE:  
 275 <223> OTHER INFORMATION: peptide  
 277 <220> FEATURE:  
 278 <221> NAME/KEY: MOD\_RES  
 279 <222> LOCATION: (5)..(5)  
 280 <223> OTHER INFORMATION: ACETYLATION  
 283 <220> FEATURE:  
 284 <221> NAME/KEY: MOD\_RES  
 285 <222> LOCATION: (8)..(8)  
 286 <223> OTHER INFORMATION: ACETYLATION  
 289 <220> FEATURE:  
 290 <221> NAME/KEY: MOD\_RES  
 291 <222> LOCATION: (12)..(12)  
 292 <223> OTHER INFORMATION: ACETYLATION  
 295 <400> SEQUENCE: 10  
 297 Ala Val Cys Asp Lys Cys Leu Lys Phe Tyr Ser Lys  
 298 1 5 10  
 301 <210> SEQ ID NO: 11  
 302 <211> LENGTH: 12  
 303 <212> TYPE: PRT  
 304 <213> ORGANISM: Artificial Sequence  
 306 <220> FEATURE:  
 307 <223> OTHER INFORMATION: peptide  
 309 <220> FEATURE:  
 310 <221> NAME/KEY: MOD\_RES  
 311 <222> LOCATION: (8)..(8)

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/529,792

DATE: 04/06/2005

TIME: 15:43:18

Input Set : A:\PTO.SR.txt

Output Set: N:\CRF4\04062005\J529792.raw

312 &lt;223&gt; OTHER INFORMATION: ACETYLTATION

315 &lt;400&gt; SEQUENCE: 11

317 Val Trp Asp Gln Glu Phe Leu Lys Val Asp Gln Gly

318 1                   5                   10

**VERIFICATION SUMMARY**

PATENT APPLICATION: US/10/529,792

DATE: 04/06/2005

TIME: 15:43:19

Input Set : A:\PTO.SR.txt

Output Set: N:\CRF4\04062005\J529792.raw

L:10 M:270 C: Current Application Number differs, Replaced Current Application No

L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date